



STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

Purchase Order No. Rev. Date
62207 6/30/2008

Form GSOP I-PIN (04/98)

Supplier No. 795320	Solicitation No. 57107	Delivery Date 45 Days ARO	FOB Point Destination	Invoice Terms
S CAL-FIRE h T 16902 BUNDY AVENUE i o RIVERSIDE, CA 92518 p		C CAL-FIRE h T 210 W. SAN JACINTO AVENUE r o PERRIS, CA 92590 g e		
Agency Billing 13064	Agency Purchase Estimate 3PE7A001	Purchase Estimate 67268	Revision 0	
Agency Contact BILL WEISER		Phone 951-486-4913	Date Received	

FIREBLAST 451, INC
4131 TIGRIS WAY
RIVERSIDE, CA 92503
Attn: RICK EGELIN

Phone: 951-277-8319

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
<p>THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT: www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf</p> <p>THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY: PRIME CONTRACTOR: NS FISCAL YEAR: 2007/2008.</p> <p>FOR THE PURPOSE OF THIS AWARD, ONLY F.O.B. Destination will be accepted.</p> <p>This Purchase order has been registered into the state contact and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is: 17600908334554.</p> <p>NOTE: Attachments accompany this PO as follow: SPECIFICATIONS ATTACHED #4240-191 OF THREE (3) PAGES DATED JULY 22, 2008</p>						
1	1	EA	4240-700-0022-8	CAR PORTABLE TRAINING PROP (AS DESCRIBED) CAL FIRE TRAINING PROP AS PER STATE OF CALIFORNIA SPECIFICATION #4240-191 DATED JULY 18, 2008.	97,308.0000	97,308.00
				Brand: <u>FIREBLAST</u>		
				Model: <u>RAVEN CAR TRAINER</u>		
				<u>PO Miscellaneous Charges and Discounts</u>	<u>Dollar Value</u>	
				LEASE-PURCHASE DISCOUNT	3,350.00	
Total Value:						93,958.00
<p>This purchase order is being awarded on September 25th, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p>						

Sales and/or use tax to be extra unless noted above

Bayer <i>Evonne Rogers</i> EVONNE ROGERS	Phone 916-375-4346	BOC Number
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Jon Cheyft

STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i> 62207	<i>Revision</i>	<i>Date</i> 6/30/2008	<i>Supplier No.</i> 795320	<i>Supplier Name</i> FIREBLAST 451, INC
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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p>CHANGE ORDERS:</p> <p>This Purchase Order may be amended, modified or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p>						

STATE OF CALIFORNIA

Bid Specification Car Fire Training Prop Department of Forestry & Fire Protection

4240-191

1. SCOPE:

This specification establishes the requirements for car fire training prop, to be used by State of California, Department of Forestry and Fire Protection, Riverside, California. The car fire prop shall be completely portable; it shall be utilized to simulate exterior and interior (garage) fire.

2. APPLICABLE SPECIFICATIONS:

Specifications and standards (latest editions) referenced in this document in effect on the opening of the invitation for bid form a part of the specification where referenced.

- Fire training prop shall comply with applicable safety standards (latest editions) of NFPA, UL, AGA, and ANSI.

3. REQUIREMENTS:

3.1 Unit shall have:

Car fire-training prop, constructed of heavy gage stainless steel or plate Corten steel.

System shall be designed to resemble a full size, sedan, automobile with wheels. Mockup to include the following:

1. Operational hood with engine mock-up
 2. Operational passenger and driver doors (minimum 2 doors)
 3. Operational trunk
 4. Driver and passenger seats mock-up
 5. Prop with industrial caster wheels of 6 " diameter minimum, the front wheels shall swivel.
- The car prop shall be designed to create minimum of the following scenarios.
 1. Engine compartment fire.
 2. Passenger area fire, front seat
 3. Passenger area fire, rear seat
 4. Tire fire with fuel spill

3.2 Unit shall have the following feature:

3.2.1 Minimum of four separate burners with electronic ignition and fueled by propane/liquid petroleum gas. All burners shall be permanently mounted in different locations of the car prop to provide car fire scenarios listed in paragraph 3.1. Design shall allow igniting of each burner individually or all four burners simultaneously.

3.2.2 All required propane hoses and regulators.

3.2.3 Prop will allow for a full range of flame control from incipient to a free burn.

- 3.2.4** Independent constant monitoring of flame propagation at each pilot burner shall be provided. The pilot burner shall be designed as inextinguishable. If a failure of the pilot burner occurs, the system shall automatically shutdown. In the event that there is a failure of adequate flame production, the fuel delivery system, and all inline safety valves shall close. Display status messaging shall activate on the main computer panel.
- 3.2.5 Fuel delivery System:**
Fuel delivery shall include two systems. The first system shall supply fuel for interior garage fire training exercise. The second system shall supply fuel for exterior fire scenarios. The fuel delivery system shall be equipped with fail-safe, safety shutoff valves that are UL listed and Fire Marshall approved for gas used. All gas pipe installation shall comply with applicable requirements of NFPA.
- 3.2.6 Gas Monitoring:**
Gas monitoring system shall be provided for interior fire. The system must verify a safe atmosphere prior to operator access. The system shall be preset to 10% (Lower Explosion Limit) LEL warning level and 25% LEL alarm and shut down. A purge cycle shall activate the system automatically. An audible and visual alarm shall be activated during all elevated LEL conditions. The gas monitoring unit shall be interlocked to gas delivery and gas delivery and exhaust fan system.
- 3.2.7** Operating voltage, 208-220V. The system shall provide line conditioning and surge voltage protection.
- 3.2.8 Exhaust Ventilation System:**
System shall include exhaust ventilation fan and fan controls.
The exhaust ventilation system shall be provided to remove heat and byproduct of combustion from training environment. Upon a system safety fault due to over temperature, high gas level, system malfunctions or manual activation of an emergency stop, automatic activation of the exhaust system will initiate. The purge cycle shall continue until predetermined safety levels have been reached and reset.
- 3.2.9 Temperature Monitoring:**
Garage room temperature monitoring system for interior fire shall be provided. Temperature sensor(s) shall be located in the garage and initiate warning and automatic compartment ventilation at 450 °F. Once the training room reaches 500 °F, the system shall activate an emergency shut down. All gas delivery system functions and smoke machine operation shall stop. Smoke machine shall be furnished with temperature monitoring system. A full cycle purge shall activate automatically through interlocks in the system and provide the ventilation until the temperature is reduced below the warning point.

3.2.10 Makeup/Combustion Air System:

Combustion fans shall be supplied with each burn prop to supply fresh air and assist in management of the pilot and burner system.

3.2.11 Controls:

The operating system shall include an industrial computer based system with programmable logic controller for each control system. The prop controls shall utilize hand held pendant controller.

A control pendant that includes the following features and functions:

- Emergency Stop
- Pilot verification
- Burner enable system
- Burner flame verification
- Three position burn control
- System reset

3.2.12 Pneumatics:

Supplier shall provide air compressor of adequate capacity (30-gallon) for automatic operation of the prop control valves and other accessories.

4.0 Safety:

- Equipment shall be designed to provide safe training scenarios for firefighters.

5.0 Quality Assurance:

- The equipment shall be new and latest model in current production by a manufacturer who has a minimum of one year of experience building similar specialty fire training apparatus.
- Floor models, or discontinued models are not acceptable. Each unit shall be delivered as a "turn-key" product.
- Electrical enclosures shall be NEMA 12/4X rated.
- All electrical components shall be UL approved.
- Equipment and accessories shall conform to applicable safety standards of NEC, NFPA, UL, AGA, and ANSI.
- All safety devices are hardwired per applicable codes.
- Equipment shall conform to applicable City (Fire Marshal), State, and Federal regulations.